

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application, Chemical Processes and Process Equipment. H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 29065

Author : Chrastina, J.

Inst :

Title : Drying Process Calculations.

Orig Pub : Strojirenstvi, 7, 677-679 (1957) (in Czech with summaries in German, English, and Russian)

Abstract : A method for carrying out drying process calculations is presented and illustrated with numerical examples. In the latter the calculation is applied to a tunnel-type kiln with partial hot-air recirculation.

Card 1/1

CHRASTINA, Jan (Brno, Kotlarska 2)

Coincidence of basic central dispersions of the 3rd and 4th order of the differential equation  $\ddot{y}(t)+Q(t)y(t)=0$ . Cas pro pes mat 87 no.2:188-197 '62.

1. Prirodovedecka fakulta university J.E. Purkyne.

CHRASTINA, Z.

Improvement in the service of supplying materials for construction  
achieved on the basis of the calculation to production, p. 303,  
POZEMNI STAVBY, (Ministerstvo stavebnictvi) Praha, Vol. 3, No. 8,  
Aug. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1956

FIALA, Jaroslav, MUDr.; VLCKOVA, Milena, MUDr.; Technicka spoluprace:  
CHRASTOVA, Zdena; KROMBOLCOVA, Jitka.

Use of heparin as an anticoagulant in blood preservation.  
Vnitřní lek. 11 no.8:742-749 Ag '65.

1. Ústav hematologie a krevní transfuze v Praze (ředitel prof.  
Dr. J. Horejší, Dr.Sc., člen korespondent Československé aka-  
demie věd).

"APPROVED FOR RELEASE: 06/12/2000

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APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509010015-0"

CHRASZCZEWSKA, A.; Milewska, Z.; Pizon, S.

$\alpha$ -naphthylamide of 3-aminobenzenesulfonic acid. p. 63

ACTA CHIMICA. (Lodzkie Towarzystwo Naukowe. Wydzial III: Nauk Matematyczno-Przyrodniczych) Lodz, Poland. Vol. 3, 1958

Monthly List of East European Accessions (EEAI) LC, VOL. 8, no. 7, July 1959

Uncl.

CHRBOLKA, Jaroslav; BENES, Vaclav, doc. MUDr.

Problems of evaluating model enterprises. Prace mzda 12 no.12:  
551-557 D '64.

1. Faculty of Medicine and Hygiene of the Charles University,  
Prague (for Benes). 2. State Research Institute of Economics and  
Organization of the Ministry of Social Welfare, Prague (for Chrbolka).

CHRBOLKA, Jaroslav; HANUS, Vaclav

Advantages and shortcomings of flow production. Podn org  
18 no. 3:106-111 Mr '64.

1. Institute of State Economic and Organizational Research  
Institute of the Consumer Goods Industry (for Chrbolka).
2. Higher School of Economics, Prague (for Hanus).



KUTATELADZE, K.S., doktor tekhn.nauk; TANDILOVA, K.B., and.tekhn.nauk;  
SOSELIYA, L.D., inzh.; DZHADZHANASHVILI, O.S., inzh.; CHRDILELI,  
O.G., inzh.

Increasing the activity of clinkers. TSement 30 no. 2:7-8  
Mr-Ap '64. (MIRA 17:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut stroitel'-  
nykh materialov, Tbilisi, i Rustavskiy tsementnyy zavod.

BOGOLYUBSKIY, V.A.; CHRECHKO, L.V.

Formation of light blue dyes in color films containing  
alkyl hydroquinones. Zhur.nauch.i prikl.fot.i kin.  
7 no.6:461-462 N-D '62. (MIRA 15:12)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo  
kinofotoinstituta, Shostka.

(Color photography--Films)

(Hydroquinone)

CHRELASHVILI, A G.

772. Чигинадзе Давид Ме-  
лихасович. Дипломатическое  
исследование многополюстного сла-  
вов. 1941. 58, 8 с. (23) ил. Тб.,  
Груз. ССР.  
№ 8, 10). Заг. 1941, 30.6.
773. Чиаушвили Гурам Алек-  
сандрович. Выпускные у нас-  
тов с агитации вран. 1954. 90 с.  
Заг. 1955, 25.1.
774. Чиаушвили Аркад Геор-  
гиевич. Историческое свиде-  
тельство о деятельности армянских  
стат. доктринальных армянских  
Заг. 1955, 16.4.
775. Чумбладзе Илья Салав-  
дович. Об основных направлениях  
социализма в Грузии. 1941. 90 с.  
Заг. 1941, 30.6.
776. Шалутра Ростом Семе-  
нов. Об истории и новой доле со-  
товыи Вл-О в Грузии. 1954. 78 с.  
Заг. 1955, 16.4.
777. Шалутра Ростом Семе-  
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782. Шалутра Ростом Семе-  
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товыи Вл-О в Грузии. 1954. 78 с.  
Заг. 1955, 16.4.
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товыи Вл-О в Грузии. 1954. 78 с.  
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Заг. 1955, 16.4.
793. Шалутра Ростом Семе-  
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Заг. 1955, 16.4.
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Заг. 1955, 16.4.
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Заг. 1955, 16.4.
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Заг. 1955, 16.4.
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Заг. 1955, 16.4.
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Заг. 1955, 16.4.
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товыи Вл-О в Грузии. 1954. 78 с.  
Заг. 1955, 16.4.
800. Шалутра Ростом Семе-  
нов. Об истории и новой доле со-  
товыи Вл-О в Грузии. 1954. 78 с.  
Заг. 1955, 16.4.

Disertation for degree of  
Candidate Physical-Mathematical Sciences

Def. at  
Tbilisi State U.

CHRELASHVILI, A. G.

CHRELASHVILI, A. G. -- "Some Electrical Properties of Polycrystalline Ceramic Materials Based on Titanium Dioxide." Tbilisi State U imeni I. V. Stalin. Tbilisi, 1955. (Dissertation for the Degree of Candidate of Physicomathematical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

CHRELAŠVILI, N. K.

"Relation of Photosynthesis in Light and Darkness to the degree of Dehydration of the Assimilating Tissues," Exptl. Botan., No. 5, Trudy Botani. Inst. Acad. Sci. USSR, Ser. 4, 88-100, 1941 (Chem. Abs. vol 38, Jan 20 1944.)

When somewhat dehydrated the tissues show an intensified photosynthetic activity at intense lighting. With considerable dehydration photosynthetic activity is lowered at a high or low light intensity. Respiration decreases with dehydration in ceratophyllum demersum and Elodea canadensis and increases in Citrum limonum. KCN lowers the intensity of leaves of lemons.

KEZELI, T.A.; CHRELASHVILI, M.N.

Ascorbic acid and catatalase in rhododendron leaves in connection with vertical zonality. Soob.AN Gruz.SSR 8 no.6:413-418 '47.

(MIRA 9:7)

1.Akademiya nauk Gruzinskoy SSR, Botanicheskiy institut, Tbilisi.  
Predstavleno deystvitel'nyy chlenom Akademii V.Z.Gulishashvili.  
(Rhododendron)

GHRELASHVILI, M.N.; KEZELI, T.A.

Some biochemical changes in plant leaves affected by chlorosis.  
Sob. AN Gruz. SSR 9 no.3:185-190 '48. (MLRA 9:7)

1. Akademiya nauk Gruzinskey SSR, Botanicheskiy institut, Tbilisi.  
Predstavleno deystvitel'nyy khromom akademii V.Z. Gulisashvili.  
(Georgia--Grapes--Diseases and pests) (Chlorosis (Plants))

CHRELAHVILI, M. K.

"Localization of Changes Occurring in Plants Afflicted by Chlorosis,"  
Dokl. Ak. Nauk SSSR, 66, No. 5, 1949.

Botanical Inst. im V. L. Komarov, Acad. Sci. USSR



MAKAREVSKAYA, Ye.A.; CHRELASHVILI, M.N.; MIKELADZE, E.G.

Reaction of stock vines 5bb and 3309 to the absence of some elements  
of mineral nutrition. Trudy Tbil.bot.inst. no.16:101-130 '54.  
(Plants, Effect of minerals on) (Viticulture) (MLRA 8:11)

DZIDZISHVILI, N. N.

"The influence exercised by low temperatures on the state of the stratification in certain evergreens".

report presented at a Joint Session of the Biological Dept. of AN USSR and Biological and Medical Depts. AN Gruzija, SSR, Tbilisi, 28 Sept - 3 Oct 1957. Vestnik Akad. Nauk SSSR, 1958, Vol 28, NO. 1, pp. 121-125. (author Dzidzishvili, N. N.)

*Chrelashvili, M. N.*  
AUTHORS: Sulakadze, T. S., and Chrelashvili, M. N. 20-3-45/52

TITLE: Variation of Pigment Content and Composition of the Pigments in the Foliage of Lemon- and Orange Plants, as Connected with Trench Cultivation (Izmeneniye sodержaniya i sostava pigmentov v list'yakh limona i apel'sina v svyazi s ikh kul'turoy v transheye)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 3, pp. 519-522 (USSR)

ABSTRACT: The experiments with lemon- and orange plants showed, that they have well endured a four-months sojourn in a trench in darkness and that their leaves have not lost the normal green coloring. But one cannot help thinking that being kept in a trench must have some effect upon the composition of the pigments. The authors studied the change of the composition of the phytochromes in the leaves during the plants' wintering in a trench. The experiments took three years. The authors studied the dynamics of the pigments by aid of the colorimetric method and the process of the photosynthesis according to the accumulation of the organic carbon (Ref. 1 and 2). The results are recorded on tables 1 - 4. A comparison of plants having wintered in the open air and of plants having wintered in a trench showed that

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Variation of Pigment Content and Composition of the  
Pigments in the Foliage of Lemon- and Orange Plants,  
as Connected with Trench Cultivation

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the content of chlorophyll was much less in the first, which proves that the chlorophyll is quicker destroyed during a winter spent under normal conditions. The correlations of the yellow pigments (Xantophyll - an oxyde derivative of the carotin) tempted the authors to assume a reverse relation (Tab. 2). If the content of carotin increased the xantophyll decreased and vice versa. The darkening effected an increase of the carotin. This seems to be connected with the decrease of the oxydative-reductive processes in the cells with the plants growing in a trench. The decrease of the yellow pigments apparently is a specific property of the citrusplant. The observations showed that seedlings of the lemons, oranges and grapefruit developed an intensive life-activity during the wintering in a trench (at 0 - 50). The active-functional state of the protoplasm is a biological characteristic of the citrusplants; to suppress it, is very difficult. Concluding be it said that the wintering of the lemon- and orange-plants in a deep trench for a period of 105 to 125 days mostly in complete darkness did not cause

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Variation of Pigment Content and Composition of the  
Pigments in the Foliage of Lemon- and Orange Plants,  
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any essential change in the coloring of the foliage.  
The analysis of the pigment compositions showed a decline  
of the chlorophyll and an increase of the carotin content. At  
the same time a loss of carbon caused by the respiration occur-  
red with the plants wintering in a trench.  
There are 4 tables, and 16 references, 16 of which are Slavic.

ASSOCIATION: Botanical Institute, AN Georgian SSR  
(Institut botaniki Akademii nauk GruzSSR)

PRESENTED: June 28, 1957, by A. L. Kursanov, Academician

SUBMITTED: January 15, 1957

AVAILABLE: Library of Congress

Card 3/3

CHRELAHVILI, M.N.; KEZELI, T.A.

Effect of low temperatures on the state of plastids in some  
evergreen plants. Trudy Tbil.bot.inst. 19:237-245 '58.

(MIRA 12:8)

(Evergreens) (Chromatophores) (Plants, Effect of temperature on)

CHRELIASHVILI, M.N.

Photosynthesis in grapevine varieties used as rootstocks in  
different habitats. Trudy Tbil.bot.inst. 20:109-126 '59.  
(MIRA 13:8)

(Georgia--Grapes--Disease and pest resistance)  
(Chlorosis(Plants)) (Photosynthesis)

CHRELASHVILI, M.N.

Effect of ultraviolet rays on the stability of chlorophyll.  
Vest. Bot. ob-va Gruz. SSR. no.1:71-82 '62. (MIRA 17:1)



CHRELASHVILI, M.N.

Seasonal changes of photosynthesis and respiration in some  
evergreens. Trudy Tbil. bot. inst. 22:247-262 '62.

(MIRA 17:2)

CHRENKA, A., inz.; MINARSKY, E., inz.

A new magnetron ionization gauge for the measurement of ultrahigh vacua. Slaboproudy obzor 22 no.12:764-765 D '61.

(Electronic measurement) (Vacuum)

Z/042/62/000/002/002/002  
E140/E482

AUTHORS: Chrenka, A., Nepraš, I.

TITLE: Measurements at 2 mm

PERIODICAL: Elektrotechnický časopis, no.2, 1962, 124-127

TEXT: This is a continuation of an article by one of the present authors, I. Nepraš, published in Elektrotechnický časopis, no.10, 1961, 651-654. The note describes the differences in circuit for measurements at 2 mm compared with cm systems. The measurements described here are based on assumed reciprocity of the measured elements. Three basic measurements are described: the attenuation of waveguide elements, of unknown impedances and of absorption spectra. Two oscillograms are presented for this last, indicating a resolution of the order of 0.01 Gcs. There are 4 figures and 3 non-Soviet-bloc references. The reference to an English language publication reads as follows: Ref.3: Gordy W., Smith W.V., Trambarulo R.F. Microwave spectroscopy, 1957.

Card 1/1

CHRENKA, A.

CZECHOSLOVAKIA

Author: CHRENKA, A., Eng.

Title: "The Upper Atmosphere and Cosmic Space from the Viewpoint of Vacuum Technique."

Source: Prague, Slovakia Technika, Vol IX, No 8, 1961, pp 310-311.

Abstract: The pressure and temperature are considered to a height of 1,000 kilometers. The values of the above are taken from Sputniks I, II, and III, Explorer I, and Vanguard I.

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Z/038/62/000/003/007/007  
D407/D301

AUTHOR: Chrenka, A. and Vaněk, O.  
TITLE: New technology for preparing ceramic-fuel elements  
PERIODICAL: Jaderná energie, no. 8, 1962. 295-296

TEXT: This is an abstract of a paper by Manfred Becker, originally published in the periodical 'Atom und Strom' (1962), no. 2, pp. 9-13. Efforts to eliminate certain disadvantages inherent to metallic uranium led to the development of fuel elements based on  $UO_2$  and UC. The first can be used in pressurized-water reactors, the latter has a higher concentration of fissionable material and a higher thermal conductivity and will, therefore, preferably be used in gas, sodium, or organic cooled reactors. A very suitable technology to produce  $UO_2$  fuel elements is cold swaging of sintered  $UO_2$  powder filled into a thin-walled austenitic-steel tube. The most modern method to prepare sintered  $UO_2$  powder is atomic fusing:  $UO_2$  powder is spread on a rotating, water-cooled copper disc and then fused by recombination of hydrogen atoms. The hydrogen dissociates  
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Z/038/62/000/008/007/007  
D407/D301

New technology ...

in an electric arc between two tungsten electrodes. The fused  $UO_2$  is then removed from the disc and ground to the desired size. Uranium carbide can be prepared from  $UO_2$  castings in a reaction with graphite powder at  $1,700^\circ C$  in high vacuum. The obtained sintered-out material is fused in an electric arc ( $2,300 - 2,400^\circ C$ ) and then cast into the desired shape. The nuclear reactor, under construction in Jülich (GER) will use ball-shaped ceramic-fuel elements. There are 2 figures. ✓

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CHRENKA, A., inz.

Upper atmosphere and cosmic space and their importance for  
vacuum technology. Sdel tech 9 no.8:310-311 Ag '61.

HULENYI, L.; CHRENKA, A.

Low-heat cathodes for television. Sdel tech 9 no.10:388-389  
0 '61.



CHRENKA, A.; NEPRAS, I.

Measurement in 2 mm. zone. El tech cas 13 no.2:124-127 '62.

CHRENKA, A., inz.; VANEK, O., inz.

Automation of vacuum processes by a new viscous vacuum  
gauge. Aitomatizace 5 no. 6:172-173. Je '62.

CHRENKA, A.; VANEK, O.

New techniques in making ceramic fuel elements. Jaderna  
energie 8 no.8:295-296 Ag '62.

CHRENKA, A.; VANEK, O.

A new linear electron accelerator. El tech cas 13 no.5:318-319  
'62.

CHRENKA, A.; VANEK, O.

Voltage limiters for protection of apparatus from overloading.  
Elektrotechnik 17 no.9:271 S '62.

CHRENKA, Anton, ins.

"Radio set with moving wave tubes" by H.A.Trosanov [Troshanov,  
N.A.]. Reviewed by Anton Chrenka. Sdel tech 10 no.12:480 D '62.

CHRENKA, Anton

"Collection of papers of the Faculty of Electrical Engineering  
of the Slovak Higher School of Technology, Bratislava" edited  
by [inz.] B. Formanek. Reviewed by Anton Chrenka. Staboprůmysl  
obzor 25 no.3:Suppl:Literatura 25 no.3:L17 '64.

CHRENKA, A., inz.; VANEK, O., inz.

Superconductive electromagnet with continuous current. El tech  
obzor 51 no.10:545 0 '62.

1. Katedra radiotechnologie, Slovenska vysoka skola technicka.



CHRENKA, Anton, inz.

New materials for the construction of lasers. Sdel tech 11 no.1:  
12-13 Ja '63.

CHRENKA, Anton

"Collection of papers of the Department of Electronics of the  
Slovak Higher Technical School in Bratislava". Reviewed by  
Anton Chrenka. Slaboproudý obzor 24 no.2:Suppl.:Literatura  
24 no.2:L9, L11 '63.

CHRENKA, A.; VANEK, O.

"Oscillation stabilization of microwave generators" by S.I.Bychkov  
[Bychkov, S.I.], N.I.Burenin and R.T.Saforov. Reviewed by  
A.Chrenka and O.Vanek. Slaboproudy obzor 24 no.2:Suppl.:Litertura  
24 no.2:L13, L15 '63.

Z/042/65/000/002/004/004  
E192/2382

AUTHORS: Chrenka, A. and Vaněk, O.

TITLE: Investigation of oxide cathodes by the radioactive tracer method

PERIODICAL: Elektrotechnický časopis, no. 2, 1963, 102 - 105

TEXT: The life of oxide cathodes is dependent on the evaporation of alkaline earths from their surface. Determination of the rate of evaporation of the emissive substance during the activation process itself is therefore of great importance. This can be measured by using  $C^{14}$  isotope, which is contained in the coating material (55%  $BaCO_3$  + 45%  $SrCO_3$ ) in the form of a small quantity of radioactive  $BaC^{14}O_3$ . The experimental cathodes were prepared by spraying the coating substance onto a tube, 5 mm in diameter, the thickness of the layer being 70 - 100  $\mu$ . The cathode was inserted into an envelope made of Nonex glass which was provided with a nickel disc anode, 35 mm in diameter and 0.2 mm thick. The anode disc was divided into eight equal segments. The temperature of the cathode was measured by means of a nickel-  
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Investigation of ....

Z/042/63/000/002/004/004  
E192/E382

molybdenum thermocouple. The composition of the carbonates of the cathode was measured over a period of 2 hours at temperatures up to 1 000 °C. The second type of investigation was concerned with the evaporation of barium from the cathode during decomposition of the carbonates. For this purpose radioactive  $\text{Ba}^{131}\text{CO}_3$  was added to the emissive material. It was found from the measurement that evaporation of the carbonates and other carbon compounds such as CO and  $\text{CO}_2$  commenced at about 200 °C. The evaporation rate remained practically constant up to 600 °C. Above that temperature violent decomposition of the carbonates took place and  $\text{CO}_2$  was produced. A maximum was reached at about 800 °C and then rapid decay was observed. As regards the measurements with  $\text{Ba}^{131}$ , it was found that during the forming of the cathode the carbonates were evaporated first. The maximum activity of the cathode corresponded to the evaporation of barium; this occurred between 550 and 650 °C. There are 3 figures.

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CHRENKA, A., inz.; VANEK, O., inz.

New design of an electrically screened cell for microwave measurement. Sdel tech ll no.3:108-109 Mr '63.

CHRENKA, A., inz.

Microwave and quantum electronics in Soviet 1963 publications.  
Sdel tech 11 no.8:311-312 Ag '63.

CHRENKA, A.

"Microwave measurement and measuring instruments" by Gy. Almassy.  
Reviewed by A. Chrenka. El tech cas 14 no.2:108-109 '63.



CHRENKA, A.; VANEK, O.

New microwave instruments on the basis of ferroelectricity. El tech  
cas 14 no.3:166-168 '63.

CHRENKA, A.

Nomogram for determining the basic parameters of irasers and lasers.  
El tech cas 14 no.3:168-170 '63.

CHRENKA, A.

The 1st National Conference on Infrared Radiation Technology. El  
tech cas 14 no.3:173-175 '63.

CHRENKA, A.; VANEK, O.

"Dictionary of electronics and waveguides in seven languages" and  
"Dictionary of television, radiolocation and antennas in seven languages"  
by B.G. Bargin and A.S. Bucinskiy [Buchinskiy, A.S.]. Reviewed by  
A. Chrenka and O. Vanek. Slaboproudy obzor 24 no.3:Suppl: Literatura  
24 no.3:L21 '63.

CHRENKA, A.; VANEK, O.

"Microwave electron tubes" by S.V. Kukarin. Reviewed by  
A. Chrenka, O. Vanek. Slaboproudý obzor: Suppl.: Literatura  
24 no.4:127 '63.

CHRENKA, Anton, inz.

Precision of microwave measurements. Slaboproudy obzor 24  
no.4:237-238 Ap '63.

CHRENKA, A.

Progress of microwave electronic engineering in 1960-1962  
as recorded at the Scheveningen Congress. Kl tech cas 14  
no.9:575-576 \*63.

CHRENKA, Anton, inz.

"Thin films in utrahigh-frequency engineering" by V.V. Sluckaja  
[Slutskaya, V.V.]. Reviewed by Anto Chrenka. Sdel tech 11 no.5:  
199-200 My '63.



CHRENKA, Anton, inz.

Effect of the outer magnetic field on the operation of cesium  
thermoelectric converters. El tech obzor 52 no.6:312 Je '63.

CHRENKA, A. inz.

Scientific conference of the Faculty of Electronics of the  
Higher School of Technology in Bratislava. Sdel tech 12 no.2:  
62 F'64

CHRENKA, Anton

Plasma detectors in ultrawave electronics. El tech cas  
15 no.1:56-59 '64.

CHRENKA, Anton, inz.

From the world of microwaves. Sdel tech 12 no. 3:112-113  
Mr '64.

Five hundred publications of the Soviet Popular Library  
of Radio. Ibid.:119-120.

CHRENKA, A.

Possibilities of using plasma dispersion properties in the design of microwave electron tubes. El tech. cas 15 no. 4: 248-253 '64.

CHARENKA, Anton, inz.

Information on new technical periodicals. Slaboproudy obzor  
25 no.1:61-62 Ja'64.

Another international conference on microwave electronics.  
Ibid.:62

ORSENKA, Antonia, in.

Microwave plasma detector. Sdel tech 12 no. 6:227-228 Pa 164.

New publications of the Moscow Publishing House Sviaz! Itis.:239-240

APR 4 1964

APR 4 1964

FILE: Plasma directional coupler used in microwave technology

SOURCE: Sdelovaci technika, no. 7, 1964, 330-331

TOPIC: microwave technology

ABSTRACT: A microwave directional coupler

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AP 4042906

NP REF SDV: 300

OTHER: 010

CHROENKA, Anton, inz.

Advances in the field of plasma generators. Slaboproudy obzor  
25 no. 5:307 My '64.

CHRENKA, Anton, ing.

The Institute of Electrical and Electronic Engineers in the United States announced a new publishing program. El tech obzor 53 no. 6:349 Ja '64.

CHRENKA, Anton

A new design of variable wave attenuator for high microwaves.  
El tech cas 16 no.3:189-190 '65.

CHRENKA, Anton

Measurement of substance dielectric properties on the 3 cm band by the new method of fixed probe. El tech cas 16 no.4: 244-246 '65.

"Lasers (quantum light generators)" by Karel Patač. Reviewed by Anton Chrenka. Ibid.:251-252

EXCERPTA MEDICA SEC 11 Vol. 10/1 O. R. L. Jan 57

210. CHRENKO K. Chir. Odd. OÚNZ, Martine. \*Prípád obrovského cholesteatému v zadnej lebečnej jame. Giant cholesteatoma in the posterior cranial fossa (Czech text) BRATISLAVSKÉ LEKÁRS. LISTY 1956, 36/5 (281-285) illus. 2

Report on 2 cases of cholesteatoma, one of which reached gigantic size in the posterior cranial fossa, with a weight of 240 g. Surgical extirpation was successful. The clinical picture in this case was predominated by signs of injury of the right hemisphere of the cerebellum with spastic quadraparesis initially regarded as a hereditary degenerative spinocerebellar affection. The second case was one of cholesteatoma in the diploë in a child of 10 yr.

CHRENKO, Simon, inz.

Industrial monoblock constructions. Tech praca 14 no.12:955-  
959 D '62.

1. Chemoprojekt, Bratislava.

CHRENUKH, A.M.

Sequelae of experimental neuritis of the vagus nerve. Trudy  
Inst. norm. i pat. fiziol. AMN SSSR no.1:180-195 '58  
(MIRA 16:12)

1. Iz laboratorii eksperimental'noy terapii (zav. - doktor  
med. nauk A.M.Chernukh) Instituta normal'noy i patologicheskoy  
fiziologii AMN SSSR.



CHRIAC, Gh.

In spa and health resorts, a rich cultural and educational activity. Munca sindic 7 no.7:45-48 JI '63.

CHRILOV, M.F., glavnyy inzhener sluzhby puti.

Organisation of track tie repair on the October Railway. Put' 1  
put. khos. no.5:32-33 My '57. (MLBA 10:6)  
(Railroads--Ties)

L 34483-66

ACC NR: AP6026286

SOURCE CODE: BU/0011/65/018/006/0513/0516

AUTHOR: Christchev, G.

20  
B

ORG: Research Institute for the Extraction and Enrichment of Minerals

TITLE: Horizontal constraints in rocks

SOURCE: BAN. Doklady, v. 18, no. 6, 1965, 513-516

TOPIC TAGS: mineralogy, mining engineering, petrology

ABSTRACT: Horizontal constraints represent one of the main problems confronting mining engineers drilling vertical wells. Existing constraint formulas by A. N. Dinika, P. M. Tsimbarevitch, and Protodiakonov [no reference given] in use in Bulgaria do not reflect the structural peculiarities of rock masses which affect to a considerable degree the pressure within rocks, particularly in metalliferous beds. Consequently, the author establishes relationships between the horizontal constraints and the displacement angles utilizing a scheme suggested back in 1776 by Coulomb for the design of supporting walls. This paper was presented by Academician C. Christov on 22 Jan 1965. Orig. art. has: 7 formulas and 2 figures. [JPRS: 32,859]

SUB CODE: 08 / SUBM DATE: 22Jan65 / ORIG REF: 001 / SOV REF: 004

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20

CHRISTEA, Alexandru

Ventilation of heat-evolving equipment. Metalurgia constr mas  
13 no.12:1094-1100 N '61.

RUMANIA

NICOLAU, Cl., Conf. Dr.; MAURESAN, V.; CRISTEA, Al.; NICOLAU, Elena; MIU, C., Lieutenant-Colonel, Pharmacist; VOICU, V., Lieutenant-Major, Medical Corps; and STROESCU, Eugenia

"Correlation Between Changes in Structure and Changes in Pharmacodynamic Activity of Acetylcholine and Some Derivatives of Irradiated Compounds"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; p 498

Abstract: X-irradiation with  $10^5$ ,  $2 \times 10^5$ ,  $5 \times 10^5$  r of acetylcholine, acetylcholine iodide, benzensulfonate and paratoluene-sulfonate of acetylcholine; paramagnetic resonance spectral calculation of density of labile electrons were correlated with nicotinic effect changes.

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tive afferentation influences segmental tonic spasms which at a later stage are accompanied by contralateral akinesia. 6 Figures, 16 Western, 8 Czech, 1 Russian reference.

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RUMANIA

NICOLAU, Cl., Conf. Dr., TOMAS, E.; OLINESCU, R.; CHRISTEA, Al., CONSTANTINESCU, Rodica; and STROESCU, Eugenia

"Activity of 2-Methyl-1, 4-Naphthoquinone Sodium Bisulfite(Vitamin K3) on Some Redox Enzymes"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 389-393

Abstract: In vitro studies to pinpoint mode of radiosensitizing effect of Vitamin K3 in study with ceruloplasmin, catalase, peroxidase, d-amino-acidoxidases. Results indicate that K3 vitamin has profound effect inhibiting or potentiating the enzymatic activities depending on its concentration. This is probably the mode of action of Vitamin K3 as radiosensitizer.

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- 78 -

CHRISTESCU, R.

On the H. Nakano individual ergodic theorems. p. 23.

ANALELE SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 20, 1958.

Monthly List of East European Accessions (EEAI), DC, Vol. 8, no. 9, Sept. 1959.  
Uncl.

CHRISTIAN, A.; RUSNITA, T.

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Different kinds of crucian carp Carassius auratus gibelio (Bloch) in Rumanian waters, and the factors causing their varieties. In Russian c. 129.

REVUE DE BIOLOGIE. Journal of Biology (Academia Republicii Populare Romine)  
Bucuresti, Rumania  
Vol. 4, no. 1, 1959

Monthly list of Eastern European Accession Index (EEAI) IC Vol. 8, No. 11  
November 1959  
Uncl.



~~ERMEGILDO~~ CHRISTOFOLI, E

HUNGARY / Chemical Technology, Chemical Products and Their  
Application. Part 2. - Ceramics, Glass, Binders,  
Concretes. - Binders, Concretes and Other Silicate  
Building Materials.

H-13d

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12134.

Author : ~~Ermenegildo Christofoli~~

Inst : Not given

Title : Concrete Testing without Destruction.

Orig Pub : Melyepitestud. szemle, 1957, 7, No 1-3, 65 - 69.

Abstract : The method is based on the dependence between the concrete hardness and its strength at compression. The test consist in an impact of a steel ball F-10 mm on the concrete surface. Tables showing the dependence between the diameters of the ball marks (remaining after an impact) and

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Card 2/2

POLAND

CHRZESTMAN, Ryszard, First Clinic of Internal Diseases (I  
Klinika Chorob Wewnętrznych), Pomeranian Medical Academy  
(Pomorska Akademia Medyczna) in Szczecin (Director: Prof.  
Dr. med. F. BOLECHOWSKI)

"Case of Subarachnoidal Haemorrhage With Unusual ECG."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 47, 19 Nov 62,  
pp 1837-1839.

Abstract: [Author's English summary] A hypertonic female  
patient in whom subarachnoidal haemorrhage occurred is re-  
ported. ECG tracings revealed enormous conglomerated TU  
waves. The literature is cited, and causes for the ECG  
changes are suggested. There are seven (7) references, of  
which two (2) are Polish, two (2) English, and three (3)  
German.

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KLEDECKI, Z.; CHRISTMAN, R.

A case of Morgagni-Adams-Stokes syndrome with a mixed mechanism of seizures. Kardiol. pol. 5 no.3:223-226 '62.

1. Z I Kliniki Chorob Wewnetrznych PAM w Szczecinie Kierownik: prof.  
dr med. F. Bolechowski.

(HEART BLOCK)

CHRISTMAN, Ryszard

A case of subarachnoid hemorrhage with an unusual electrocardiographic picture. Pol. tyg. lek. 17 no.47:1837-1839 19 0 '62.

1. Z I Kliniki Chorob Wewnetrznych Pom. AM w Szczecinie; kierownik:  
prof. dr med. F. Bolechowski.

(SUBARACHNOID HEMORRHAGE) (ELECTROCARDIOGRAPHY)

GREGORCZYK, Karol; CHRISTMAN, Ryszard

P loop in vectorcardiography with an esophageal electrode.  
Pol. arch. med. wewnet. 34 no.7:853-856 '64.

1. I Klinika Chorob Wewnętrznych Pomorskiej Akademii Medycznej  
(Kierownik: doc. dr. med. K. Gregorczyk).

CHRISTOV, D. [Khristov, D.]; KARAIVANOV, S.; NENOV, N.

Application of the reaction between acetyl chloride and ethanol in the presence of metal or metal oxide as a preparation method for some anhydrous metal chlorides. Doklady BAN 17 no.3:263-266 '64.

1. Chair of Organic Chemical Technology, University of Sofia, Sofia. Vorgelegt von A.Spasov [Spasov, A.], korr. Mitglied der Akademie.

CHRISTMAN, Ryszard

Electrocardiographic picture in rabbits under deep hypothermia with special reference to extinctive currents. Roczn. pom. akad. med. Swierczewski 11:411-428 '65.

1. Z I Kliniki Chorob Wewnętrznych Pomorskiej Akademii Medycznej (Kierownik: Doc. dr. med. Karol Gregorczyk).

ACC NR: AP6010175

SOURCE CODE: BU/0011/65/018/008/0739/0741

AUTHOR: Christov, D.; Dimov, D.ORG: Physics Faculty, Sofia University; Tire Factory "Georgi Dimitrov", SofiaTITLE: Lead halogenide acceleration of resin-vulcanizing of butyl rubberSOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 8, 1965, 739-741

TOPIC TAGS: metal compound, chloride, butyl rubber, alkylphenol, formaldehyde, resin, vulcanization, solid mechanical property, lead compound

ABSTRACT: Among the previously investigated metal chlorides, stannous chloride proved to be the most active accelerator of the butyl rubber vulcanization with alkylphenolformaldehyde resins. However, in practice, the use of  $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$  and of other metal chlorides (crystalline hydrates) encounters considerable difficulties due primarily to the strong associated corrosion of the mixers and vulcanization molds (see Compt. rend. Acad. bulg. Sci., 16, 1963, No 6, 613). Consequently, it became important to test the acceleration properties of those metal halogenides which do not form crystalline hydrates under normal conditions and are thus not hygroscopic. Tests were carried out on  $\text{PbF}_2$ ,  $\text{PbCl}_2$ ,  $\text{PbBr}_2$ , and  $\text{PbI}_2$  in fine crystal form. The rubber composition was given earlier in the above mentioned reference. Comprehensive (generally favorable) results cover the Shore hardness A, module

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10002-06  
ACC NR: AP6010175

100, module 300, tensile strength in  $\text{kg/cm}^2$ , relative stretching in %, and remanent stretching in %. The authors note that it would be advisable to study the halogenide action under optimum ingredient composition. This paper was presented by Academician D. Iwanoff on 15 April 1965. Orig. art. has: 1 table. [JPRS]

SUB CODE: 11, 13, 07 / SUBM DATE: 15Apr65 / ORIG REF: 002

Card 2/2 TS

CHRISTOV, G.

Volutin and the nuclear mass of microorganisms under the influence of penicillin and sulfathiazole. Dokl. Bolg. akad. nauk 15 no.1:97-100 '62.

1. Note presentee par Wl. Markov, membre de l'Academie.

(PENICILLIN pharmacol)  
(SULFATHIAZOLES pharmacol)  
(NEISSERIA pharmacol)  
(KLEBSIELLA pharmacol)  
(NUCLEOPROTEINS) (CELL NUCLEUS)

CHRISTOV, G.; TODOROV, D.; IKONOPLESSOV, R.

Antibacterial properties at the level of the serum proteins and leukocyte formula in subjects with melanoma or other types of cancer. Dokl. Bolg. akad. nauk 17 no.9:869-872 '64.

1. Note presentee par A. Tochkov.

CHRISTOV, G.[Khristov,G.]; TODOROV, D.; IKONOPISOV, R.[Ikonopisov,R.]

Antibacterial properties and the level of serum proteins and leukocytic formula in subjects stricken by melanoma or other forms of cancer. Doklady BAN 17 no.9:869-872 '64.

1. Institute of Oncologic Research. Submitted June 25, 1964.

CHRISTOV, G. [Khristov, G.]

Rose water in the treatment of amphodontosis and gingivitis.  
Doklady BAN 17 no.12:1125-1128 '64.

1. Institute of Oncologic Research, Sofia-Durvenitsa. Submitted July 27, 1964.

CHRISTOV, G.

Influence of ionizing radiations on the normal volutin and the volutin induced by sulfonamides in certain bacteria. Dokl. Bolg. akad. nauk 18 no.2:169-172 '65

1. Submitted on October 2, 1964.

CHRISTOV, G.

Oncolytic infections. Dokl. Bolg. akad. nauk 18 no.3:  
263-265 '65

1. Submitted on October 14, 1964.

L 20854-66 EWI(m)/T JK

ACC NR: AP5028780

SOURCE CODE: BU/0011/65/018/002/0169/0172

AUTHOR: Christov, G.

ORG: Institute of Oncologic Research, Sofia-Darvenitsa (Institut de Recherches oncologiques) 9 B

TITLE: Influence of ionizing radiation on the normal or sulfamide-induced inclusion of volutin in certain bacteria 19 445

SOURCE: Bulgarska akademiya na naukite, v. 18, no. 2, 1965, 169-172

TOPIC TAGS: bacteria, bacteriology, ionizing radiation, radiation biologic effect

ABSTRACT: During earlier investigations the author observed an inclusion of volutin in certain bacteria of the mouth under the influence of antibiotics and of sulfathiazole (see, e.g., Compt. Rend. Acad. bulg. Sci., 14, 1961, No 3, 307). The volutin included by induction seemed to have the same properties as normal volutin. The present paper investigated possible morphologic differences between the two types of volutin with respect to ionizing radiation. After describing the experimental procedures the author presents the results which show that even with doses of up to 100,000 R the two alleged types of volutin exhibit identical behavior. The work was presented by B. Boitchev, 2 Oct 64. Orig. art. has: 4 figures. [JPRS]

SUB CODE: LS, ND / SUBM DATE: 02Oct64 / ORIG REF: 004 / OTH REF: 003

SOV REF: 002

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CHRELASHVILI, N.B.

Turning point in the mental development of children. Soob.AN  
Gruz.SSR 19 no.1:113-120 J1 '57. (MIRA 10:12)

1. AN GruzSSR, Institut psikhologii im. D.N.Uznadze, Tbilisi.  
Predstavleno akademikom A.T.Bochorishvili.  
(Child study)

CHREIASHVILI, N.V.

Critical moment in the psychic development of the child [with  
summary in English]. Vop.psikhol. 4 no.4:109-115 Jl-Ag '58.  
(MIRA 11:11)

1. Institut psikhologii im. D.N.Uznadze AN GruzSSR, Tbilisi.  
(Child study)

CHRELASHVILI, N.V.

Problem of the psychological nature of the first words of a child.  
Trudy Inst. psikhol. AN Grus. SSR 12:123-133 '60. (MIRA 13:11)  
(Children--Language)

CHRELASHVILI, N.V.

Psychological mechanism of mastering speech in ontogenesis.  
Trudy Inst.psikhol.AN Gruz.SSR 13:101-116 '62. (MIRA 16:2)  
(Speech)